

ABSTRACT OF THE DISCLOSURE

A multifunction printed antenna for wireless and telematic applications. In one embodiment, GPS and satellite radio patch antenna elements are printed on one side of a printed circuit board and AMPS, PCS, GSM and terrestrial radio slot antenna elements are etched in a ground plane on an opposite side of the same printed circuit board. In an alternate embodiment, the GPS and satellite radio patch antenna elements are elements mounted on one printed circuit board and the AMPS, GSM, PCS and terrestrial radio slot antenna elements are etched in a ground plane on another printed circuit board rigidly secured orthogonal to the GPS and satellite printed circuit board.